

TEST REPORT n° 162522/07

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Customer ERM ITALIA SpA
Address Via San Gregorio, 38
 20154 Milano
Project/Contract 0062523
Matrix Type Soil
Date received 09-mar-07
Customer Sample ID MW9/37 **Type N**
Laboratory Sample ID 01 / 25346
Test Report date of issue 05-apr-07
Sampling Date 07-mar-07
Sampling Procedure Sampling activity carried out by the Customer
Notes

Compound Name	Amount and MU	UM	Date Prep Anal	MDL	Test Method Technique Prep Method	D.Lgs.152/06 P.IV-T.V- All.5 Tab.1/B
0 fraction sieved 2 mm dry basis at 105°C	49	%	12/03/2007 - 12/03/2007		D.M. 13/09/99 GU n° 248 Metodo II.1 Gravimetry D.M. 13/09/99 GU n° 248 Metodo II.1	
Residues						
0 residue at 105°C as total	90,3	%	09/03/2007 - 12/03/2007		CNR IRSA 2 Q 64 Vol 2 1984 Gravimetry CNR IRSA 2 Q 64 Vol 2 1984	
Metals						
0 arsenic as total and on dry basis at 105°C	2,69 ± 0,67	mg/Kg	13/03/2007 - 14/03/2007	0,022	EPA 6020A 1998 ICP-MS EPA 3051A 1998	< 50
0 cadmium as total and on dry basis at 105°C	<0,0023	mg/Kg	13/03/2007 - 14/03/2007	0,0023	EPA 6020A 1998 ICP-MS EPA 3051A 1998	< 15
0 chromium as total and on dry basis at 105°C	14,1 ± 3,5	mg/Kg	13/03/2007 - 14/03/2007	0,019	EPA 6020A 1998 ICP-MS EPA 3051A 1998	< 800
0 mercury as total and on dry basis at 105°C	<0,0066	mg/Kg	13/03/2007 - 14/03/2007	0,0066	EPA 6020A 1998 ICP-MS EPA 3051A 1998	< 5
0 nickel as total and on dry basis at 105°C	12,6 ± 3,1	mg/Kg	13/03/2007 - 14/03/2007	0,025	EPA 6020A 1998 ICP-MS EPA 3051A 1998	< 500
0 lead as total and on dry basis at 105°C	2,11 ± 0,53	mg/Kg	13/03/2007 - 14/03/2007	0,026	EPA 6020A 1998 ICP-MS EPA 3051A 1998	< 1000
0 copper as total and on dry basis at 105°C	5,29 ± 1,3	mg/Kg	13/03/2007 - 14/03/2007	0,044	EPA 6020A 1998 ICP-MS EPA 3051A 1998	< 600
0 zinc as total and on dry basis at 105°C	17,4 ± 4,4	mg/Kg	13/03/2007 - 14/03/2007	0,089	EPA 6020A 1998 ICP-MS EPA 3051A 1998	< 1500
Metals						
0 chromium (VI) as total and on dry basis at 105°C	0,0188 ± 0,0056	mg/Kg	16/03/2007 - 16/03/2007	0,014	EPA 7199 Rev 0 1996 IC EPA 3060A 1996	< 15

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# pentaerythrite as total and on dry basis at 105°C	<0,011	mg/Kg	12/03/2007 - 12/03/2007	0,011	SXLC001/05 LC/MS SXLC001/05	
# melamine as total and on dry basis at 105°C	1,48 ± 0,44	mg/Kg	26/03/2007 - 26/03/2007	0,14	SXLC003/04 LC/MS SXLC003/04	
# hexamethylenetetramine as total and on dry basis at 105°C	<0,0054	mg/Kg	12/03/2007 - 12/03/2007	0,0054	SXLC006/05 LC/MS SXLC006/05	
0 acetaldehyde as total and on dry basis at 105°C	0,0188 ± 0,0056	mg/Kg	14/03/2007 - 14/03/2007	0,00017	EPA 8315A 1996 LC/DAD EPA 8315A 1996	
0 formaldehyde as total and on dry basis at 105°C	0,122 ± 0,036	mg/Kg	14/03/2007 - 14/03/2007	0,00028	EPA 8315A 1996 LC/DAD EPA 8315A 1996	
HC Compounds						
0 HC >C12 <C40 as total and on dry basis at 105°C	<0,57	mg/Kg	12/03/2007 - 12/03/2007	0,57	EPA 8015D 2003 GC/FID EPA 3550C 2000	< 750
0 TPH < C12 as total and on dry basis at 105°C	11,9 ± 3,6	mg/Kg	12/03/2007 - 13/03/2007	0,14	EPA 8015D 2003 GC/MS EPA 5035A 2002	< 250
Alcohols						
0 methanol as total and on dry basis at 105°C	<0,049	mg/Kg	13/03/2007 - 13/03/2007	0,049	EPA 8015D 2003 GC/FID EPA 5035A 2002	
Semivolatile Aromatic amine						
0 aniline as total and on dry basis at 105°C	<0,024	mg/Kg	12/03/2007 - 12/03/2007	0,024	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 5
Phenolic Compounds						
0 2,4,6-trichlorophenol as total and on dry basis at 105°C	<0,019	mg/Kg	12/03/2007 - 12/03/2007	0,019	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 5
0 2,4-dichlorophenol as total and on dry basis at 105°C	<0,0083	mg/Kg	12/03/2007 - 12/03/2007	0,0083	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 50
0 2-chlorophenol as total and on dry basis at 105°C	<0,025	mg/Kg	12/03/2007 - 12/03/2007	0,025	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 25
0 2-methylphenol as total and on dry basis at 105°C	<0,024	mg/Kg	12/03/2007 - 12/03/2007	0,024	EPA 8270D 2006 GC/MS EPA 3550C 2000	
0 3-methylphenol as total and on dry basis at 105°C	<0,022	mg/Kg	12/03/2007 - 12/03/2007	0,022	EPA 8270D 2006 GC/MS EPA 3550C 2000	
0 4-methylphenol as total and on dry basis at 105°C	<0,027	mg/Kg	12/03/2007 - 12/03/2007	0,027	EPA 8270D 2006 GC/MS EPA 3550C 2000	
0 phenol as total and on dry basis at 105°C	<0,026	mg/Kg	12/03/2007 - 12/03/2007	0,026	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 60
0 pentachlorophenol as total and on dry basis at 105°C	<0,024	mg/Kg	12/03/2007 - 12/03/2007	0,024	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 5
PAHs						
0 - total PAHs as total and on dry basis at 105°C	<0,031	mg/Kg	----- - 12/03/2007	0,031	EPA 8270D 2006 GC/MS	
0 benzo[a]anthracene as total and on dry basis at 105°C	<0,029	mg/Kg	12/03/2007 - 12/03/2007	0,029	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 10
0 benzo[a]pyrene as total and on dry basis at 105°C	<0,02	mg/Kg	12/03/2007 - 12/03/2007	0,02	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 10

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PAHs						
0 benzo[b]fluoranthene as total and on dry basis at 105°C	<0,019	mg/Kg	12/03/2007 - 12/03/2007	0,019	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 10
0 benzo[g,h,i]perylene as total and on dry basis at 105°C	<0,022	mg/Kg	12/03/2007 - 12/03/2007	0,022	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 10
0 benzo[k]fluoranthene as total and on dry basis at 105°C	<0,027	mg/Kg	12/03/2007 - 12/03/2007	0,027	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 10
0 chrysene as total and on dry basis at 105°C	<0,019	mg/Kg	12/03/2007 - 12/03/2007	0,019	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 50
0 dibenzo[a,e]pyrene as total and on dry basis at 105°C	<0,029	mg/Kg	12/03/2007 - 12/03/2007	0,029	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 10
0 dibenzo[a,h]anthracene as total and on dry basis at 105°C	<0,027	mg/Kg	12/03/2007 - 12/03/2007	0,027	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 10
0 dibenzo[a,h]pyrene as total and on dry basis at 105°C	<0,021	mg/Kg	12/03/2007 - 12/03/2007	0,021	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 10
0 dibenzo(a,i)pyrene as total and on dry basis at 105°C	<0,031	mg/Kg	12/03/2007 - 12/03/2007	0,031	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 10
0 dibenzo(a,l)pyrene as total and on dry basis at 105°C	<0,018	mg/Kg	12/03/2007 - 12/03/2007	0,018	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 10
0 indeno[1,2,3-cd]pyrene as total and on dry basis at 105°C	<0,021	mg/Kg	12/03/2007 - 12/03/2007	0,021	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 5
0 pyrene as total and on dry basis at 105°C	<0,027	mg/Kg	12/03/2007 - 12/03/2007	0,027	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 50

Test Report End

Parameters flagged with # have been carried out using test methods which are not included in the accredited tests list submitted to the Italian Accreditation Body SINAL. Accredited parameters are flagged with a number designating the category for which they have been accredited for by the Italian Accreditation Body SINAL.

For the accredited test, run in compliance with the modality described in the Accreditation itself, SINAL guarantees:

the competence of the personnel, the availability of suitable instrumentation, and the compliance of the test to the recalled Test Method or Procedure.

"MDL" values indicate, if applicable, the Method Detection Limit (amended by all applicable correction coefficients) for each tested parameter according to the recalled Test Method or Procedure.

The reported Measurement Uncertainty is an Expanded calculated using a coverage factor of 2 with 95% confidence level.

Laboratory Manager

